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# **Izabela Stroe: Worcester Polytechnic Institute**

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November 1, 2014







Izabela Stroe now at Worcester Polytechnic Institute

Izabela Stroe's history with the Lab dates back to 2001 and over the years she's been a summer student, postdoc, visiting scientist and is now an ongoing collaborator. Not only does she currently work with those at the Center for Nonlinear Studies and Los Alamos

Neutron Science Center but also invites Lab employees to engage with her students and wants to bring her students to the Lab to expand their knowledge.

During her time at the Lab she was also a G. T. Seaborg Institute Postdoctoral Fellows Program recipient that recognizes researchers in actinide science.

Stroe's background in both physics and biology, not to mention her experience in both theoretical and applied nature of these fields, has led her to her current work as she looks for blood proteins that could indicate the presence amyloid diseases such as Alzheimer's.

Right now, by the time we realize people have these diseases, such as Parkinson's or Huntington's they are quite advanced," said Stroe. "If we could detect them earlier, via biomarkers proteins in the blood, earlier intervention could be possible.

She remembers her time at the Lab as very exciting and enjoyed the high enthusiasm about the research and discoveries that were being made. "These days my time is divided between research and academics so I kind of miss dedicating myself to research full time. On the other hand, I love teaching and working with my students.

She is currently working on a Department of Defense grant that could enable her to bring some of her students to the Lab in the future. "I would love to have an opportunity to share some the experience I had at Los Alamos with my students. I'm sure they would find it as enriching as I have.

In addition to her enjoyment of her time at the Lab, Stroe is grateful to her former mentor and collaborator, Albert Migliori, who is currently part of the Lab's National Security Education Center.

You can learn more about Stroe's background and research [here](#).

## **Know former postdocs we should feature?**

Send their name and contact information to [Linda Anderman](#) for consideration.

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